

Weekly Report for 2015/09/14-2015/09/20

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Progress

1. TCPTree Project

2. Revise vis 2015 submission

Lintao has implemented four views: band view, projection view, network view, and bipartite view. The basic idea is to calculate the strength of an edge at each time step and extract a feature vector to describe the state change of the edge. The band view visualizes the temporal change of edge strength. The projection view shows the similarity of edges in the network. The bipartite view shows the details of selected edges along time axis. The network view shows the whole network and highlights selected edges at a certain time step.

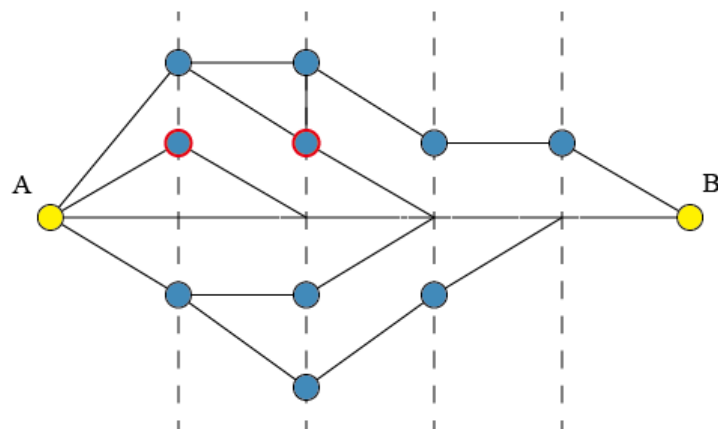
Currently, the visualization is too boring and we need to add more visual encodings into the system, especially in the band view and the bipartite view.

3. Large Graph Visualization

1) Document

This week we meet with Huawei. They added more requirements and we wrote the supplementary document.

I wrote the document of visualization of relation among multiple nodes. I think the most efficient plan is plan 2



2) Zrender + backbonejs

I added zrender to the current project.

3) Layout algorithm

I started to write the layout algorithm of ego network in python.

Plan

1. TCPTree Project

2. Revise vis2015 submission

Start write the draft

3. Large Graph

Continue to write the algorithm of the layout algorithm.